

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("5911493").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/15 14:51
L2	14	("4848385"   "5053931"   "5323798"   "5502624"   "5584564"   "5611614").PN. OR ("5911493").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2008/03/15 14:52
L3	0	kuelss-gregory.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/15 15:11
L4	0	kuelbs-gregory.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/15 15:11
L5	52	kuelbs-gregory-g.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/15 15:12
L6	2	("6290367").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/15 15:18
L7	15	kuelbs-gregory-g.in. and receiver and transmitter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/15 16:28
L8	783	umbrella and receiver and transmitter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/15 16:36

S1	27103	solar adj (power or energy)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/02 13:45
S2	957	((solar adj (power or energy)) and (recharg\$5 with (electrical or batter\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 16:24
S3	10	((solar adj (power or energy)) and (recharg\$5 with (electrical or batter\$4))) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/26 17:01
S4	16794	umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:06
S5	66	((solar adj (power or energy)) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:40
S6	22425	recharg\$6 adj batter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 10:30
S7	708	((solar adj (power or energy)) and (recharg\$6 adj batter\$4 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 10:30
S8	7	umbrella and ((solar adj (power or energy)) and (recharg\$6 adj batter\$4 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/07 12:55
S9	163	umbrella and "362"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 11:52
S10	5	("5007811"   "5172711"   "5273062"   "5711331"   "5765582").PN.	USPAT	OR	ON	2002/12/05 11:42
S11	9	("1148332"   "1532802"   "1555579"   "2547896"   "2627217"   "2729220"   "3177881"   "4154255"   "5007811").PN.	USPAT	OR	ON	2002/12/05 11:44

S12	20	("1148332"   "1173665"   "1555579"   "1683270"   "2627217"   "2729220"   "2817281"   "3102547"   "3177881"   "3318560"   "3444799"   "4154255"   "4628791"   "4753411"   "4850564"   "4867187"   "4915670"   "5007811"   "5161561"   "5172711").PN.	USPAT	OR	ON	2002/12/05 11:50
S13	4	(umbrella and "362/"\$ccls.) and (solar adj (power or energy))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 11:50
S14	448	362/96.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 11:52
S15	11	362/96.ccls. and solar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 11:54
S16	4	362/102.ccls. and solar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 11:54
S17	59	362/102.ccls. and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 12:10
S18	4	362/577.ccls. and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 11:58
S19	1	362/577.ccls. and solar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 11:58
S20	0	362/577.ccls. and solar and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 11:59
S21	0	362/209.ccls. and solar and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 11:59

S22	5	362/209.ccls. and solar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 12:00
S23	34	362/276.ccls. and solar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/12/05 12:00
S24	2	("5172711").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/12/05 12:18
S25	2	("5349975").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/12/05 12:24
S26	2	("5463536").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/12/05 12:25
S27	2	("5172711").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/12/05 12:57
S28	2	("5273062").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/12/05 13:11
S29	2	("6017188").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/12/05 16:44
S30	8	("1148332").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/12/05 13:47

S31	6	((("6017188") or ("5273062") or ("5172711")),PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/12/05 16:45
S32	0	362/209.ccls. and @pd > "20021201"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 12:20
S33	13	362/96.ccls. and @pd > "20021201"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/17 15:49
S34	28	362/276.ccls. and @pd > "20021201"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 16:41
S35	3	362/577.ccls. and @pd > "20021201"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/17 15:50
S36	6	362/102.ccls. and @pd > "20021201"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/17 15:50
S37	64538	solar adj (power or energy or cell)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/06 10:38
S38	117	housing with (solar adj (power or energy or cell) and (recharg\$5 with (electrical or batter\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/06 10:40
S39	3	((housing with (solar adj (power or energy or cell) and (recharg\$5 with (electrical or batter\$4)))) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/06 10:40
S40	0	((housing or casing) with ((solar adj (power or energy)) and (recharg\$6 adj batter\$4 ))) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/07 12:57

S41	44	(housing or casing) with ((solar adj (power or energy)) and (recharg\$6 adj batter\$4 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/07 12:57
S42	91	362/102,96,209,276,577.CCLS. and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/08 12:41
S43	5	362/191.ccls. and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/08 12:41
S44	496	135/16.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/08 12:42
S45	379	135/16.ccls. and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/08 12:42
S46	14	135/16.ccls. and umbrella and solar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/08 12:42
S47	7	((("5,126,922") or ("5,172,711") or ("5,273,062") or ("5,349,975") or ("5,463,536") or ("5,584,564") or ("6,017,188"))).PN.	USPAT	OR	OFF	2005/08/18 16:19
S48	34128	solar adj (power or energy)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/08/18 16:24
S49	3722	S48 and ((recharg\$6 or charg\$7) with (electrical or batter\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 16:25
S50	23524	umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 16:26

S51	120	S48 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 16:26
S52	65	S48 and S50 and batter\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 16:27
S53	57	S51 and @ad <"20010207"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:44
S54	351	362/102.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/08/18 17:14
S55	3722	S48 and S49	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/08/18 17:14
S56	1067	S55 and ((alternat\$4 current) or "AC")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/08/18 17:16
S57	22	S55 and ((alternat\$4 current) or "AC") and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/08/18 17:17
S58	5	("5053931"   "6089727"   "6196242"   "6270230"   "6439249").PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2005/08/18 17:22
S59	2	("6598990").URPN.	USPAT	NEAR	ON	2005/08/18 17:26
S60	72469	solar adj (power or energy or cell)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:52
S61	365	S60 with batter\$4 with housing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:45

S62	2	S60 with batter\$4 with housing with umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:42
S63	6	(S60 with batter\$4 with housing) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:42
S64	220	S61 and @ad <"20010207"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:46
S65	29	S60 with batter\$4 with (in or "wihin") with housing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:45
S66	88	S60 with batter\$4 with (in or "within") with housing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:50
S67	55	S66 and @ad <"20010207"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:46
S68	1	(S60 with batter\$4 with (in or "within") with housing) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:51
S69	202	S60 and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:52
S70	24	S60 and umbrella and "135"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/19 11:52
S71	12	("5584564" or "6439249" or "5053931" or "6820995" or "6837255" or "6126293").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/18 12:30



S72	6	("5584564" or "6439249" or "5053931" or "6820995" or "6837255" or "6126293").pn.	USPAT	OR	ON	2005/09/18 12:30
S73	1386	rib\$4 with ("within" or "in" or "inside") with light	USPAT	OR	ON	2005/09/18 12:42
S74	19	S73 and umbrella	USPAT	OR	ON	2005/09/18 12:41
S75	4	("5323798"   "5502624"   "6089727"   "6126293").PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2005/09/18 12:37
S76	0	("6904922").URPN.	USPAT	NEAR	ON	2005/09/18 12:38
S77	1343186	(light emit\$4 diod\$4) or "LED"	USPAT	OR	ON	2005/09/18 12:41
S78	1528312	light (bulb or tube)	USPAT	OR	ON	2005/09/18 12:42
S79	1756440	S77 or S78	USPAT	OR	ON	2005/09/18 12:42
S80	5407	rib\$4 with ("within" or "in" or "inside") with S79	USPAT	OR	ON	2005/09/18 12:43
S81	81	S80 and umbrella	USPAT	OR	ON	2005/09/18 12:43
S82	76	S81 and @ad < "20010702"	USPAT	OR	ON	2005/09/18 13:02
S83	1759917	S79 inside near4 rib	USPAT	OR	ON	2005/09/18 13:01
S84	4740	S83 and umbrella	USPAT	OR	ON	2005/09/18 13:01
S85	1570767	S83 and @ad < "20010702"	USPAT	OR	ON	2005/09/18 13:03
S86	4209	S84 and @ad < "20010702"	USPAT	OR	ON	2005/09/18 16:07
S87	2	((("6270230") or ("6089727"))).PN.	USPAT	OR	OFF	2005/09/18 13:04
S88	4	("4601120"   "4860179"   "5323798"   "5502624").PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2005/09/18 13:04
S89	3	("6270230").URPN.	USPAT	NEAR	ON	2005/09/18 13:05
S90	2	("5323798"   "5502624").PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2005/09/18 13:06
S91	9	("6089727").URPN.	USPAT	NEAR	ON	2005/09/18 13:06
S92	2	("6089727"   "6302560").PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2005/09/18 13:20

S93	1	("6499856").URPN.	USPAT	NEAR	ON	2005/09/18 14:22
S94	6562044	(housing or casing or case)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:24
S95	0	S71 with solar with batter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:38
S96	2343	S94 with solar with batter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:26
S97	0	(solar near5 batter\$4) with ("within" or "in") with S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:29
S98	0	((solar panel) near4 batter\$4) with ("within" or "in") with S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:31
S99	2176	((solar panel) near4 batter\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:31
S100	72	S99 with housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:32
S101	147	S99 with (housing or casing or case)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:32

S102	3	S99 with (housing or casing or case) and umbrella	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:36
S103	4	(S99 same (housing or casing or case)) and umbrella	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:37
S104	19	((solar panel) and batter\$4) near5 within near3 housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:40
S105	0	((solar panel) and batter\$4) near5 in near3 housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 14:40
S106	8	("2091693"   "4435095"   "4739549"   "5152610"   "5169236"   "5302028"   "5621390").PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2005/09/18 14:47
S107	2	("5681110").URPN.	USPAT	NEAR	ON	2005/09/18 14:51
S108	12	("3742633"   "4843525"   "4903172"   "4947300"   "4989124"   "4994941"   "5007190"   "5088221"   "5101329"   "5107637"   "5192944"   "D320815").PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2005/09/18 14:48
S109	13	("5435087").URPN.	USPAT	NEAR	ON	2005/09/18 14:49
S110	5	(umbrella) and (housing with solar with batter\$4)	USPAT	NEAR	ON	2005/09/18 14:52
S111	880	362/362.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 16:06
S112	475	362/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 16:07

S113	171	362/577.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 16:07
S114	628	S112 or S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/09/18 16:07
S115	223	S114 and @ad < "20010702"	USPAT	OR	ON	2005/09/18 16:10
S116	3063	(362/96,227,159,276,352,20,183,182,194,278,320,319,431,450,800.ccls.) and @ad < "20010702"	USPAT	OR	ON	2006/03/29 18:10
S117	311	(135/16,15.1.ccls.) and @ad < "20010702"	USPAT	OR	ON	2006/03/29 18:11
S118	335	(S116 or S117) and umbrella	USPAT	OR	ON	2005/09/18 16:13
S119	310	S118 not S115	USPAT	OR	ON	2005/09/18 16:13
S120	12	S119 and solar	USPAT	OR	ON	2005/09/18 16:14
S122	578	umbrella and solar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/29 16:21
S123	2	"199956".ap.	US-PGPUB	NEAR	ON	2006/03/29 16:17
S124	1	"829790".ap.	US-PGPUB	NEAR	ON	2006/03/29 16:17
S125	200	umbrella and solar and (recharg\$5 or charg\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/29 16:22
S126	246	umbrella and solar and batter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/29 16:22

S127	82	S126 and @ad < "20010207"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/29 17:36
S128	164	S126 not S127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/29 16:42
S129	11	("20020074027"   "5584564"   "6089727"   "6386214"   "6439249"   "6598990"   "6612713"   "6666224"   "6820995"   "6837255"   "6840658").PN. OR ("7000624").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 17:01
S130	267	S122 and @ad < "20010207"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/29 17:07
S131	185	S130 not S126	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/29 17:07
S132	185	S131 not S127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/29 17:08
S133	185	S131 not S128	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/29 17:08
S134	2	"305653".ap.	US-PGPUB	NEAR	ON	2006/03/29 17:39
S135	1	("5584564").PN.	USPAT	OR	OFF	2006/03/29 17:41
S136	1	("4020858").PN.	USPAT	OR	OFF	2006/03/29 17:45
S137	1	("2087537").PN.	USPAT	OR	OFF	2006/03/29 17:50
S138	20	("2087537").URPN.	USPAT	NEAR	ON	2006/03/29 17:45

S139	1	("6270230").PN.	USPAT	OR	OFF	2006/03/29 17:57
S140	2	((("6017188") or ("5349975"))).PN.	USPAT	OR	OFF	2006/03/29 17:57
S141	25	("5007811"   "5172711"   "5273062"   "5711331"   "5765582").PN. OR ("6017188").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 17:57
S142	47	("20040100791"   "2087537"   "3215831"   "4061154"   "4072857"   "4174532"   "4491141"   "4979535"   "4994631"   "5053931"   "5101844"   "5331524"   "5463535"   "5584357"   "5611614"   "5641223"   "5769000"   "5776559"   "5787914"   "5907127"   "5911493"   "6017188"   "6070808"   "6126293"   "6209147"   "6270230"   "6323431"   "6402547"   "6439249"   "6598990"   "6612713"   "6627816"   "6659616"   "6668845"   "6679622"   "6722381"   "D130643"   "D208917"   "D295400"   "D378913"   "D379176"   "D379970"   "D467877").PN. OR ("7017598").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 18:00
S143	24	("5053931"   "5116258"   "5216948"   "5611614"   "5641223"   "5758948"   "6089727"   "6196242"   "6217192"   "6270230").PN. OR ("6439249").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 18:02
S144	4	("2087537"   "6017188"   "6439249").PN. OR ("6840657").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 18:03
S145	25	("5007811"   "5172711"   "5273062"   "5711331"   "5765582").PN. OR ("6017188").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 18:03
S146	24	("3102547"   "3177881"   "3444799"   "4023582"   "4505285"   "5007811"   "5143107"   "5172711"   "5207238"   "5289839").PN. OR ("5349975").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 18:04
S147	427	362/102,577.ccls.	USPAT	OR	ON	2006/03/29 18:07
S148	15	362/102,577.ccls. and solar	USPAT	OR	ON	2006/03/29 18:09
S149	27	362/102,577.ccls. and solar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 18:09
S150	12	S149 not S148	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 18:10
S151	5283	362/96,227,159,276,352,20,183,182,194,278,320,319,431,450,800.ccls.	USPAT	OR	ON	2006/10/05 13:21
S152	621	135/16,15.1.ccls.	USPAT	OR	ON	2006/03/29 18:11
S153	3	S151 and S152	USPAT	OR	ON	2006/03/29 18:11
S154	5901	S151 or S152	USPAT	OR	ON	2006/03/29 18:11

S155	21	S154 and S121	USPAT	OR	ON	2006/03/29 18:12
S156	1	"5349975".pn. and (light or lamp or (light source) or diode)	USPAT	NEAR	ON	2006/03/29 19:25
S157	1	("6666224").PN.	USPAT	OR	OFF	2006/03/29 19:25
S158	15	("20020124876"   "20020145873"   "20020149934"   "20030067765"   "5758948"   "6089727"   "6302560"   "6439249"   "6443595"   "6497496").PN. OR ("6666224").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 19:26
S159	12	("5323798"   "5502624").PN. OR ("6089727").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 19:29
S160	17	umbrella and solar and batter\$4 and ((light\$4 or lamps or (light bulbs)) with (ribs or struts))	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 19:31
S161	19	("5126922"   "5172711"   "5273062"   "5349975"   "5463536").PN. OR ("6612713").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/29 19:32
S162	4049875	light\$4 or lamps	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/30 10:00
S163	827721	(light emitting diod\$4) or "LED"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/30 10:01
S164	4465156	S162 or S163	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/30 10:02
S165	1	("5911493").PN.	USPAT	OR	OFF	2006/03/30 10:07
S166	13	("4848385"   "5053931"   "5323798"   "5502624"   "5584564"   "5611614").PN. OR ("5911493").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/30 10:07
S167	39	("1166272"   "2087537"   "2453925"   "3036206"   "3313929"   "3723723"   "3870062"   "4079344"   "4174532"   "4848385"   "4860179").PN. OR ("5053931").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/30 10:17
S168	9	(patio umbrella) and solar and S164	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/30 11:47
S169	11	(patio umbrella) and solar	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/30 12:03

S170	21	("1148332"   "1387740"   "1532802"   "1619217"   "2729220"   "3861410"   "5007811"   "5020557"   "5172711"   "5349975"   "5449012"   "5765582").PN. OR ("5868152").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/30 11:50
S171	19	("5126922"   "5172711"   "5273062"   "5349975"   "5463536").PN. OR ("6612713").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/30 11:54
S172	8	("20030000559"   "2507919"   "5053931"   "5954417"   "6135605"   "6612713").PN. OR ("6820995").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/30 11:57
S173	425	umbrella and solar and (support or base or (Base plate))	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/30 12:06
S174	5	umbrella and (post with solar) and (support or base or (Base plate))	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/03/30 12:07
S175	2	("2960094").URPN.	USPAT	NEAR	ON	2006/03/30 12:16
S176	3	("6058951").URPN.	USPAT	NEAR	ON	2006/03/30 12:17
S177	2	("2960094").URPN.	USPAT	NEAR	ON	2006/03/30 12:19
S180	216	S173 and @pd > "20021201"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 12:22
S181	189	S173 and @pd < "20021201"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 12:30
S182	216	S173 not S181	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 12:31
S183	0	("2005/0072451").URPN.	USPAT	NEAR	ON	2006/03/30 12:35
S184	0	("2005/0072451").URPN.	USPAT	NEAR	ON	2006/03/30 12:56
S185	1	("5053931").PN.	USPAT	OR	OFF	2006/03/30 12:58
S186	1	("6298866").PN.	USPAT	OR	OFF	2006/03/30 12:59
S187	1	("6126293").PN.	USPAT	OR	OFF	2006/03/30 13:00
S188	1	("6089727").PN.	USPAT	OR	OFF	2006/03/30 13:01



S189	1	("5126922").PN.	USPAT	OR	OFF	2006/03/30 14:59
S190	2	((("2960094") or ("6830058")).PN.	USPAT	OR	OFF	2006/03/30 15:00
S191	329	135/22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/30 16:42
S192	2	135/22.ccls. and solar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/03/30 16:42
S194	6482	362/20,96,102,159,182,183,191,194,209,227,276,278,319,320,352,431,450,577,800.ccls.	USPAT	OR	ON	2006/10/05 13:29
S195	1418	135/15.1,16,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:31
S196	7870	S195 or S194	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:32
S197	863413	(light emit\$5 diod\$3) or "LED"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:33
S199	189621	solar or photovoltaic or (solar cell) or (photo cell) or (solar panel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:35
S200	29224	umbrella	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:35

S201	1098	S196 and S200	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:35
S202	41	S196 and S200 and S199	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:36
S203	12	S196 and S200 and S199 and S197	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:48
S205	4168524	lamp or (light bulb) or (light\$4 element) or light\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:47
S206	26	S196 and S200 and S199 and S205	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:49
S207	14	S206 not S203	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 13:49
S208	17	("20030084931"   "3755663"   "5007811"   "5053931"   "5273062"   "5584564"   "5611614"   "6017188"   "6089727"   "6340233"   "6439249"   "6499856"   "6598990"   "6612713").PN. OR ("6837255").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/10/05 13:58
S209	12	("5053931"   "6089727"   "6196242"   "6270230"   "6439249").PN. OR ("6598990").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/10/05 15:17
S210	2	JP-09168415-\$.did.	JPO; DERWENT	NEAR	ON	2006/10/05 15:24
S211	52	oshio-kozo.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:12

S212	4593510	S197 or S205	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:14
S213	462	S212 and S200 and S199	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:15
S214	641	S200 and S199	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:15
S215	168	S213 and @ad < "20010207"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:37
S216	6480	S194 not S215	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:26
S217	294	S213 not S215	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:37
S218	278	S214 and @ad < "20010207"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:38
S219	110	S218 not S213	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:44

S220	198	(362/102,577.ccls. or "135"\$.ccls.) and S199	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:46
S221	81	(362/102,577.ccls. or "135"\$.ccls.) and S199 and umbrella	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/05 16:55
S222	1	("5349975").PN.	USPAT; USOCR	OR	OFF	2006/10/05 17:12
S223	1	"6439249".pn. and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 08:43
S224	1	("6299325").PN.	USPAT; USOCR	OR	OFF	2006/10/06 08:43
S225	1525	(solar adj (power or energy)) and (recharg\$6 adj batter\$4 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 08:44
S226	41892	recharg\$6 adj batter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:37
S227	5734010	housing or casing or case or encas\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 08:47
S228	41	((housing or casing or case or encas\$6) with (recharg\$6 adj batter\$4) with (solar adj ((power or energy)) and (recharg\$6 adj batter\$4 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:34
S229	0	((housing or casing or case or encas\$6) with (recharg\$6 adj batter\$4) with (solar adj ((power or energy)) and (recharg\$6 adj batter\$4 )) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 08:48
S230	2	("2960094").PN.	USPAT; USOCR	OR	OFF	2006/10/06 16:46
S231	3	("2960094").URPN.	USPAT	NEAR	ON	2006/10/06 09:33

S232	189621	solar or photovoltaic or (solar cell) or (photo cell) or (solar panel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 09:36
S233	6978	(solar or photovoltaic or (solar cell) or (photo cell) or (solar panel)) with (recharg\$6 adj batter\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:38
S234	66	umbrella and S233	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:38
S235	943	(solar or photovoltaic or (solar cell) or (photo cell) or (solar panel)) with (recharg\$6 adj batter\$4) with S227	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:50
S236	8	S235 and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:43
S237	863413	(light emit\$5 diod\$3) or "LED"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 09:42
S238	323	S235 and S237	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:43
S239	38	S235 and S237 and outdoor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:43
S240	22	("1481703"   "2182441"   "3056222"   "4227327"   "4384317"   "4441143"   "4555694"   "4697365"   "4718185"   "4855723"   "4862613"   "4903172"   "5101329"   "5107637").PN. OR ("5309656").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/10/06 09:46
S241	3170232	(solar or photovoltaic or (solar cell) or (photo cell) or (solar panel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:51

S242	4763	S241 and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:51
S243	2717354	(solar or photovoltaic or (solar cell) or (solar panel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:51
S244	4472	S243 and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:52
S245	704	(S243 with top) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 12:24
S246	40	(S243 with top with batter\$4) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 09:54
S247	54	((S243 with top) same batter\$4) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 10:10
S248	6	"650537".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 16:27
S249	2	"650537".ap. and batter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 10:59
S250	1037	S243 with plug with batter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 12:26
S251	893605	S243 with remov\$5 or detach\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 12:27

S252	268389	S243 with (remov\$5 or detach\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 12:27
S253	58137	S251 and batter\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 12:29
S254	109	S252 and batter\$5 and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 14:16
S255	23	("2960094"   "20020078985"   "20050072451"   "5053931"   "5126922"   "5172711"   "5273062"   "5349975"   "5463536"   "5584564"   "5611614"   "5664874"   "5911493"   "6017188"   "6089727"   "6126293"   "6270230"   "6298866"   "6299325"   "6341873"   "6439249"   "6499856"   "6666224").PN.	US-PGPUB; USPAT	OR	ON	2006/10/06 14:29
S256	1	("6499856").PN.	USPAT; USOCR	OR	OFF	2006/10/06 14:29
S257	6	("6089727"   "6302560").PN. OR ("6499856").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/10/06 14:39
S258	18	lee-chormg-cheng.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 15:05
S259	4168524	lamp or (light bulb) or (light\$4 element) or light\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 15:07
S260	53	umbrella and (strut with (S237 or S259))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 15:27
S261	53	umbrella and (strut with (S237 or S259))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 15:28

S262	53	umbrella and (strut\$3 with (S237 or S259))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 15:28
S263	2	("6089727"   "6302560").PN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/10/06 15:56
S264	0	"650537".ap. and strut\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/06 16:28
S265	0	"650537".ap. and strut\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2006/10/06 16:28
S266	0	"650537".ap. and strut\$3	US-PGPUB	WITH	ON	2006/10/06 16:28
S267	1	"650537".ap.	US-PGPUB	WITH	ON	2006/10/06 16:28
S268	0	"650537".ap. and strut	US-PGPUB	WITH	ON	2006/10/06 16:32
S269	12	kuelbs-gregory-g.in.	US-PGPUB	WITH	ON	2006/10/06 16:32
S270	1	("6612713").PN.	USPAT; USOCR	OR	OFF	2006/10/06 18:14
S271	0	("umbrellaand(recharg\$6batter\$4)and"AC"and(charging)").PN.	USPAT; USOCR	OR	OFF	2006/10/06 18:16
S272	0	umbrella and (recharg\$6 batter\$4) and "AC"and (charging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 18:17
S273	88	umbrella and (recharg\$6 batter\$4) and (charging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 18:20
S274	36	umbrella and (recharg\$6 batter\$4) and charger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 18:23



S275	94	umbrella and (recharg\$6 batter\$4) and outlet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 18:43
S276	24	S275 and @ad < "20010207"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/06 18:37
S277	1	("5349975").PN.	USPAT; USOCR	OR	OFF	2006/10/06 18:37
S278	25	("3102547"   "3177881"   "3444799"   "4023582"   "4505285"   "5007811"   "5143107"   "5172711"   "5207238"   "5289839").PN. OR ("5349975").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/10/06 18:42
S279	23	umbrella and (battery charger)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:07
S280	2	wo-9300840-\$.did.	EPO; DERWENT	OR	ON	2006/10/07 13:01
S281	2112	((battery charg\$4) with ("AC" power))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:08
S282	2112	batter\$4 and ((battery charg\$4) with ("AC" power))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:08
S283	2	batter\$4 and ((battery charg\$4) with ("AC" power)) and umbrella	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:11
S284	10	batter\$4 and ((battery charg\$4) same ("AC" power)) and umbrella	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:12

S285	30	batter\$4 and ((battery charg\$4) and ("AC" power)) and umbrella	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:15
S286	0	batter\$4 and ((battery charg\$4) with ("AC" power)) and (outdoor (light\$5 or lamp))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:16
S287	60	batter\$4 and ((battery charg\$4) and ("AC" power)) and (outdoor (light\$5 or lamp))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:21
S288	2112	batter\$4 and ((battery charg\$4) with("AC" power))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:21
S289	542	(recharg\$6 batter\$4) and ((battery charg\$4) with("AC" power)) and (light or lamp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:22
S290	2	(recharg\$6 batter\$4) and ((battery charg\$4) with("AC" power)) and (light or lamp) and umbrella	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:22
S291	61	(recharg\$6 batter\$4) and ((battery charg\$4) with("AC" power)) and (light or lamp) and (outdoor or lawn or backyard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/10/07 13:23
S292	29310	umbrella	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:06

S293	186	umbrella and (solar with batter\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:07
S294	19	umbrella and (top with solar with batter\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:45
S295	14	umbrella and (housing with solar with batter\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:11
S296	3179055	(solar or photovoltaic or (solar cell) or (photo cell) or (solar panel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:13
S297	4777	S296 and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:17
S298	6161	housing with S296 with batter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:14
S299	33	S298 and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:15
S300	844	S296 and umbrella and batter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:18
S301	40	(S296 with batter\$4 with top) and umbrella	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 17:20
S302	2	("2960094").PN.	USPAT; USOCR	OR	OFF	2006/10/15 17:41

S303	3	("2960094").URPN.	USPAT	NEAR	ON	2006/10/15 17:41
S304	14	("20040040591"   "20050016571"   "20050133077"   "2745421"   "2960094"   "3801809"   "4011881"   "4424824"   "5740822"   "5937882"   "6058951"   "6129101").PN. OR ("7051744").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/10/15 17:42
S305	28	umbrella with (top with solar )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 18:37
S306	0	("10829790").PN.	USPAT; USOCR	OR	OFF	2006/10/15 18:37
S307	0	("("2960094"   "20020078985"   "20050072451"   "5053931"   "5126922"   "5172711"   "5273062"   "5349975"   "5463536"   "5584564"   "5611614"   "5664874"   "5911493"   "6017188"   "6089727"   "6126293"   "6270230"   "6298866"   "6299325"   "6341873"   "6439249"   "6499856"   "6666224").PN. ").PN.	USPAT; USOCR	OR	OFF	2006/10/16 10:32
S308	23	("2960094"   "20020078985"   "20050072451"   "5053931"   "5126922"   "5172711"   "5273062"   "5349975"   "5463536"   "5584564"   "5611614"   "5664874"   "5911493"   "6017188"   "6089727"   "6126293"   "6270230"   "6298866"   "6299325"   "6341873"   "6439249"   "6499856"   "6666224").PN.	US-PGPUB; USPAT	NEAR	ON	2006/10/16 10:32
S309	652	umbrella and solar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/26 17:04
S310	302	umbrella and solar and batter\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/26 17:02
S311	3816762	((light emitting diode) or "LED") or lights or lamps or (light bulbs)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/26 17:04
S312	465	S309 and S311	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/26 17:05
S313	151	S312 and @ad < "20010207"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/05/26 17:07
S316	3877	((solar adj (power or energy)) or photovoltaic) and recharge\$5 and batter\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/02 14:07

S317	80794	(umbrella with support) or (lawn umbrella) or (patio umbrella) or (umbrella with outside) or (umbrella with deck)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/02 14:08
S318	173	S316 and S317	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/02 13:59
S319	1604687	illuminat\$5 or (light bulbs) or ((light emitting diod\$3) or "LED") or (light emitting elements) or lighting	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/02 13:53
S320	127	S318 and S319	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/02 14:00
S321	80794	(umbrella with support) or (lawn umbrella) or (patio umbrella) or (umbrella with (outside or swimming pool)) or (umbrella with deck)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/02 13:58
S322	173	S316 and S321	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/02 14:08
S323	127	S322 and S319	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/02 14:01
S324	25	S323 and @ad < "20010207"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/02 14:10
S325	8727	(solar or photovoltaic) and recharg\$5 and batter\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/02 14:07

S326	351	S325 and S321	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/02 14:08
S327	211	S325 and S321 and S319	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/02 14:08
S328	80794	umbrella or (umbrella with support) or (lawn umbrella) or (patio umbrella) or (umbrella with outside) or (umbrella with deck)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/02 14:09
S329	211	S328 and S325 and S319	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/02 14:10
S330	49	S329 and @ad < "20010207"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/02 14:20
S331	162	S329 not S330	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/02 14:21
S332	5	("6017188"   "6298866"   "6692135").PN. OR ("6830058").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/06/02 14:46
S333	19	("20030084931"   "3755663"   "5007811"   "5053931"   "5273062"   "5584564"   "5611614"   "6017188"   "6089727"   "6340233"   "6439249"   "6499856"   "6598990"   "6612713").PN. OR ("6837255").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/06/02 14:48
S334	17	("2414866"   "2828473"   "4072857"   "4571018"   "5053931"   "5323798"   "5337225"   "5502624"   "5559681"   "5733037"   "5911493").PN. OR ("6340233").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/06/02 14:51
S335	5	("5611614"   "6598990"   "6612713"   "6666224").PN. OR ("6966667").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/06/02 14:52
S336	11	("20020074027"   "5584564"   "6089727"   "6386214"   "6439249"   "6598990"   "6612713"   "6666224"   "6820995"   "6837255"   "6840658").PN. OR ("7000624").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/06/02 14:53

S337	6	("5116258"   "6017188"   "6196242"   "6439249"   "6612713"   "6666224").PN. OR ("7013903").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/06/02 14:55
S338	4	("5611614"   "6598990"   "6612713"   "6666224").PN. OR ("7108388").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/06/02 15:06
S339	2	((("6837255") or ("7000624"))).PN.	USPAT	OR	OFF	2007/06/02 15:09
S340	11	("20020074027"   "5584564"   "6089727"   "6386214"   "6439249"   "6598990"   "6612713"   "6666224"   "6820995"   "6837255"   "6840658").PN. OR ("7000624").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/06/02 15:10
S341	19	("20030084931"   "3755663"   "5007811"   "5053931"   "5273062"   "5584564"   "5611614"   "6017188"   "6089727"   "6340233"   "6439249"   "6499856"   "6598990"   "6612713").PN. OR ("6837255").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/06/02 15:13
S342	10	("4193389"   "5126922"   "5331524"   "5349975"   "5410458"   "5911493"   "6017188"   "6286528"   "6323431"   "6612713").PN.	USPAT	NEAR	ON	2007/06/02 15:13
S343	14	("2087537"   "3313929"   "3777136").PN. OR ("5331524").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2007/06/02 15:15
S344	690	362/102,577.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/03 13:18
S345	8585	362/96,227,159,276,352,20,183,182,194,278,319,320,431,450,800.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/03 13:19
S346	459	135/15.1,16.22.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/03 13:20
S347	9044	S345 or S346	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/03 13:20
S348	97	umbrella and solar and (light\$4 or illuminat\$5 or diode or (lighting elements) or (light bulb) or (light tube)) and batter\$4 and recharge\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/03 13:28

S349	258	umbrella and solar and (light\$4 or illuminat\$5 or diode or (lighting elements) or (light bulb) or (light tube)) and batter\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/03 13:29
S350	15	S349 and S347	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/03 13:29
S351	20	S349 and S344	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/03 13:29
S352	31	S350 or S351	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/06/03 13:29
S353	8922	362,96,227,159,276,352,20,183,182,194,278,319,320,431,450,800.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/08 15:44
S354	462	135/15.1,16.22.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/08 15:44
S355	9384	S353 or S354	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/08 15:44
S356	0	umbrella and (rib\$2 with (transparent or translucent or (light transmitting) or clear))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/08 15:46



S357	177	umbrella and (rib\$2 with (transparent or translucent or (light transmitting) or clear))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/08 15:46
S358	959790	(light emitting diode) or "LED"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/08 15:47
S359	28	S357 and S358	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/08 15:47
S360	0	umbrella S355 and S358	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/08 15:57
S361	0	umbrella S355 and S358	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/08 15:57
S362	57	umbrella and S355 and S358	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/03/08 15:57

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